INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/17057

A CITAL	CONTRA ARRIVAN OF STREET		
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H02K 1/27, 7/102, 16/00; 21/12 US CL : 310/92, 112, 156.02			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 310/92, 112, 156.02			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NONE			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,043,579 A (HILL) 28 March 2000 (28.03.200 lines 57-60; Figure 1.	00), column 3, lines 35-57; column 4,	1-5, 7, 9
Y	US 2,006,172 A (KLAPPAUF) 25 June 1935 (25.06.1935), column 1, lines 6-18; Figure 2.		
Y	US 4,529,902 A (LORDO) 16 July 1985 (16.07.1985), column 1, lines 19-24; Figures 1-3.		
Y	US 5,365,137 A (RICHARDSON et al) 15 November 1994 (15.11.1994), column 2, line 59 1, 2, 5, 7 - column 3, line 2; Figures 1-2.		1, 2, 5, 7
x	US 4,019,406 A (HERR) 26 April 1977 (26.04.1977), column 4, line 65 - column 5, line 5; column 8, lines 56-69; Figure 6.		
Y			
Y EP 0 361 925 A2 (JOHNSON) 28 September 1989 (28.09.1989), abstract; column 2, lines	1-5, 7, 9
A 10-23; column 2, line 53 - column 3, line 19; Figure 1		: 1.	6
			,
	documents are listed in the continuation of Box C.	See patent family annex.	
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is	
	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in the	documents, such combination
P document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report	
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